

Standard Handbook Engineering Calculations Hicks

Machine Design Calculations Reference Guide Handbook of Engineering Calculations StandardThe Indigo BookHandbook of Bolts and Bolted JointsStandard Handbook of Engineering CalculationsConcrete Construction Engineering HandbookSedimentation EngineeringFundamental Concepts in the Design of ExperimentsHandbook of Chemical Engineering Calculations, Fourth EditionWelded Joint DesignHandbook of Civil Engineering Calculations, Second EditionStandard Handbook of Engineering CalculationsThe Mysterious IslandStandard Handbook of Consulting Engineering PracticeThe Civil Engineering Handbook, Second EditionHandbook of Chemical Engineering Calculations, Fourth EditionStandard Handbook of Engineering Calculations, Fourth EditionHandbook of Mechanical Engineering Calculations, Second EditionHandbook of Energy Engineering CalculationsStructural Engineering FormulasHandbook of Environmental Engineering Calculations 2nd Ed.Welded DesignLudwig's Applied Process Design for Chemical and Petrochemical PlantsStandard Handbook for Civil EngineersCivil Engineering FormulasHandbook of Chemical Engineering CalculationsThe Handbook of Highway EngineeringExplaining PostmodernismNumerical Methods in Geotechnical EngineeringHandbook of Mechanical Engineering Calculations, Second EditionHandbook of Industrial Engineering Equations, Formulas, and

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Calculations McGraw-Hill's Engineering Companion Standard Handbook of Engineering Calculations, Fifth Edition Machine Devices and Components Illustrated Sourcebook Handbook of Civil Engineering Calculations, Third Edition Maintenance Planning and Scheduling Handbook Mechanical Engineering Formulas Pocket Guide Lange's Handbook of Chemistry, Seventeenth Edition Applications of Fire Engineering Handbook of Electric Power Calculations Handbook of Industrial and Systems Engineering, Second Edition

Machine Design Calculations Reference Guide Handbook of Engineering Calculations Standard

Modern highway engineering reflects an integrated view of a road system's entire lifecycle, including any potential environmental impacts, and seeks to develop a sustainable infrastructure through careful planning and active management. This trend is not limited to developed nations, but is recognized across the globe. Edited by renowned authority

The Indigo Book

Solve chemical engineering problems quickly and accurately Fully revised throughout with new procedures, Handbook of Chemical Engineering Calculations,

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Fourth Edition shows how to solve the main process-related problems that often arise in chemical engineering practice. New calculations reflect the latest green technologies and environmental engineering standards. Featuring contributions from global experts, this comprehensive guide is packed with worked-out numerical procedures. Practical techniques help you to solve problems manually or by using computer-based methods. By following the calculations presented in this book, you will be able to achieve accurate results with minimal time and effort. Coverage includes: Physical and chemical properties Stoichiometry Phase equilibrium Chemical reaction equilibrium Reaction kinetics, reactor design, and system thermodynamics Flow of fluids and solids Heat transfer Distillation Extraction and leaching Crystallization Absorption and stripping Liquid agitation Size reduction Filtration Air pollution control Water pollution control Biotechnology Cost engineering

Handbook of Bolts and Bolted Joints

Although *The Mysterious Island* is technically a sequel to Verne's enormously popular *Twenty Thousand Leagues Under the Sea*, this novel offers a vastly different take on similar thematic motifs. As with all of Verne's best-known works, *The Mysterious Island* is a masterpiece of the action-adventure genre, with a heaping dash of science fiction influence thrown in for good measure.

Standard Handbook of Engineering Calculations

Invaluable to anyone who designs, repairs, or operates machines, this sourcebook contains 2000 illustrations of the most commonly used components found in home appliances, office machines, vehicles, aircraft, ships, construction, factory equipment, and machine tools. The author also includes design formulas and structural data. Contents: Mechanisms * Machine Elements * Gearing * Fluid-Filled Bearing * Bearings with Rolling Contact * Packing and Seals * Pipe, Fitting, and Valves * Key Equations and Charts for Designing Mechanisms

Concrete Construction Engineering Handbook

If solving chemical engineering problems quickly and accurately is key to your work, here's an invaluable info-packed resource: McGraw-Hill's Handbook of Chemical Engineering Calculations. Fully revised and expanded, this Third Edition delivers step-by-step procedures for performing a wide array of chemical engineering calculations -- along with fully worked-out examples that help you avoid costly errors. Book jacket.

Sedimentation Engineering

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Up-To-Date Techniques for Solving Any Civil Engineering Problem Perform complex design and construction calculations quickly and accurately with help from this thoroughly revised guide. Handbook of Civil Engineering Calculations, Third Edition, features more than 3,000 logically organized calculations that align with the latest practices, codes, and standards. You will get start-to-finish calculation procedures for Load Resistance Factor Design (LRFD), anti-terrorism components, enhanced building security, green construction, safe bridge design, and environmentally sound water treatment. All-new steps to improve indoor air quality and protect structures from hurricanes, tornadoes, floods, and waves are also discussed in this on-the-job resource. This fully updated third edition covers:

- Structural Steel Engineering and Design
- Reinforced and Pre-stressed Concrete Engineering and Design
- Timber Engineering
- Soil Mechanics
- Surveying, Route Design, and Highway Bridges
- Fluid Mechanics, Pumps, Piping, and Hydro Power
- Water Supply and Storm Water System Design
- Sanitary Wastewater Treatment and Control
- Engineering Economics

Fundamental Concepts in the Design of Experiments

Based on the European Welding Engineer (EWF) syllabus Part 3 - Construction and Design - this book provides a clear, highly illustrated and concise explanation of how welded joints and structures are designed and of the constraints which welding may impose on the design. Written for both students and practicing

engineers in welding and design, the book will also be of value to civil, structural, mechanical and plant engineers.

Handbook of Chemical Engineering Calculations, Fourth Edition

Numerical Methods in Geotechnical Engineering contains the proceedings of the 8th European Conference on Numerical Methods in Geotechnical Engineering (NUMGE 2014, Delft, The Netherlands, 18-20 June 2014). It is the eighth in a series of conferences organised by the European Regional Technical Committee ERTC7 under the auspices of the International

Welded Joint Design

Handbook of Civil Engineering Calculations, Second Edition

This complete revision of Applied Process Design for Chemical and Petrochemical Plants, Volume 1 builds upon Ernest E. Ludwig's classic text to further enhance its use as a chemical engineering process design manual of methods and proven fundamentals. This new edition includes important supplemental mechanical and related data, nomographs and charts. Also included within are improved

techniques and fundamental methodologies, to guide the engineer in designing process equipment and applying chemical processes to properly detailed equipment. All three volumes of Applied Process Design for Chemical and Petrochemical Plants serve the practicing engineer by providing organized design procedures, details on the equipment suitable for application selection, and charts in readily usable form. Process engineers, designers, and operators will find more chemical petrochemical plant design data in: Volume 2, Third Edition, which covers distillation and packed towers as well as material on azeotropes and ideal/non-ideal systems. Volume 3, Third Edition, which covers heat transfer, refrigeration systems, compression surge drums, and mechanical drivers. A. Kayode Coker, is Chairman of Chemical & Process Engineering Technology department at Jubail Industrial College in Saudi Arabia. He's both a chartered scientist and a chartered chemical engineer for more than 15 years. and an author of Fortran Programs for Chemical Process Design, Analysis and Simulation, Gulf Publishing Co., and Modeling of Chemical Kinetics and Reactor Design, Butterworth-Heinemann. Provides improved design manuals for methods and proven fundamentals of process design with related data and charts Covers a complete range of basic day-to-day petrochemical operation topics with new material on significant industry changes since 1995.

Standard Handbook of Engineering Calculations

It's the year 2039, and Lake Michigan is mysteriously emptied of water. The planet's atmosphere and magnetic field are failing, and fires burn ominously throughout the empty lake bed. In this seemingly endless desert east of Chicago, three factions are locked in conflict: the original end-of-times cultist settlers who follow religious visionary Fulcrum Maneuvers and worship a giant World Worm they deem responsible for the drained lake; the megacorporation Quadrilateral, a mega-consumerist, planned-community combine of bourgeois city planners developing what is now called the Wildland-Urban Interface; and the Blackout Angels, landlocked punk pirates raised in Quadrilateral cities, who oppose everything and everyone. In Davis Schneiderman's shocking novel, *Drain*, freedom, creativity, and transgression wage war with forces of control, censorship, and conformity. The wordscapes of William S. Burroughs and Thomas Pynchon, the dystopic nightmares of Philip K. Dick, and the transgressive punch of Chuck Palahniuk and Georges Bataille together convene in this stunning and thrilling work.

The Mysterious Island

First published in 1995, the award-winning Civil Engineering Handbook soon became known as the field's definitive reference. To retain its standing as a complete, authoritative resource, the editors have incorporated into this edition the many changes in techniques, tools, and materials that over the last seven years have found their way into civil engineering research and practice. The Civil

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Engineering Handbook, Second Edition is more comprehensive than ever. You'll find new, updated, and expanded coverage in every section. In fact, more than 1/3 of the handbook is new or substantially revised. In particular you'll find increased focus on computing reflecting the rapid advances in computer technology that has revolutionized many aspects of civil engineering. You'll use it as a survey of the field, you'll use it to explore a particular subject, but most of all you'll use The Civil Engineering Handbook to answer the problems, questions, and conundrums you encounter in practice.

Standard Handbook of Consulting Engineering Practice

This book holds the proceedings of the Conference on Applications of Structural Fire Engineering (ASFE 2017), held on September 7-8, 2017, in Manchester, UK. The ASFE'17 conference will be the next in a series (2009, 2011, 2013, 2015) of successful conferences that aim to bring together experts and specialists in design against fire from all over the world to share ideas and to acquire knowledge in the field of structural fire engineering. Practice in structural engineering increasingly accepts the benefits of performancebased approaches to the design of structures for fire resistance. This conference will focus on the application of design methods, both manual and computational, for structures to resist fire. Particularly relevant themes will be fire modelling, simulation of the heat transfer between fire and structures, and modelling of structural behaviour at elevated temperatures using

numerical methods or software implementations of design codes.

The Civil Engineering Handbook, Second Edition

NEW IN THIS EDITION Complying with the latest environmental regulations Design code changes LEED design considerations HVAC procedures Mobile and in-the-field methods "A classic compendium of step-by-step calculations for solving the most frequently encountered engineering problems in many engineering disciplines." —dianahacker.com 5000 Essential Calculations for Engineers Packed with new data and methods, this invaluable handbook provides professionals with more than 5000 direct and related calculation procedures for solving common engineering problems quickly and easily. Now thoroughly revised and updated, Standard Handbook of Engineering Calculations, Fourth Edition covers seven engineering disciplines: civil, architectural, mechanical, electrical, chemical and process plant, sanitary, and environmental. Written in the popular "cookbook" format, the handbook describes each problem to be solved; provides numbered calculation procedures to be followed; works out an actual problem; and presents related calculations in most instances. This fourth edition features numerous new topics from design code changes in civil engineering to composite usage in engineering design. Inside, you'll find new problem-solving coverage of: Anti-terrorism structural building changes Power-plant cost-cutting Efficient compliance with environmental regulations Wind energy systems LEED considerations in building

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design Developments in pumps and related calculations Freon-replacing refrigerants Computer programs that automate repetitive calculations Finite element analytic methods The fourth edition of Standard Handbook of Engineering Calculations is a reference engineers will thank for answers time after time. Open this book for all the calculations you need in: Civil Engineering * Architectural Engineering * Mechanical Engineering * Electrical Engineering * Chemical and Process Plant Engineering * Sanitary Engineering * Environmental Engineering

Handbook of Chemical Engineering Calculations, Fourth Edition

This public domain book is an open and compatible implementation of the Uniform System of Citation.

Standard Handbook of Engineering Calculations, Fourth Edition

Welded design is often considered as an area in which there's lots of practice but little theory. Welded design tends to be overlooked in engineering courses and many engineering students and engineers find materials and metallurgy complicated subjects. Engineering decisions at the design stage need to take account of the properties of a material - if these decisions are wrong failures and even catastrophes can result. Many engineering catastrophes have their origins in

the use of irrelevant or invalid methods of analysis, incomplete information or the lack of understanding of material behaviour. The activity of engineering design calls on the knowledge of a variety of engineering disciplines. With his wide engineering background and accumulated knowledge, John Hicks is able to show how a skilled engineer may use materials in an effective and economic way and make decisions on the need for the positioning of joints, be they permanent or temporary, between similar and dissimilar materials. This book provides practising engineers, teachers and students with the necessary background to welding processes and methods of design employed in welded fabrication. It explains how design practices are derived from experimental and theoretical studies to produce practical and economic fabrication.

Handbook of Mechanical Engineering Calculations, Second Edition

Manage everyday calculations instantly and accurately-saving you time in the design, construction, and maintenance of all types of structures Covering all aspects of civil engineering calculations in an easy-to-understand format, the new edition of the Handbook of Civil Engineering Calculations is now revised and updated with over 500 key calculations that show you exactly how to compute the desired values for a particular design-going quickly from data to finished result.

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Using both customary and SI units, this comprehensive engineer's must-have resource is exactly what you need to solve the civil engineering problems that come your way. From structural steel to reinforced concrete, from bridges and dams to highways and roads, Handbook of Civil Engineering Calculations, 2e, lets you handle all of these design calculations quickly-and more importantly, correctly. NEW TO THIS EDITION: Updated calculation procedures using the latest applicable design codes for everything-from structural steel to reinforced concrete, from water supply to highways, freeways, roads, and more A wealth of new illustrated calculation procedures to provide better guidance for the design engineer New civil-engineering data on "green" buildings and their design, better qualifying them for LEED (Leadership in Energy and Environmental Design) ratings Inside This Cutting-Edge Engineering Calculations Guide- Structural Steel Engineering and Design • Reinforced and Prestressed Concrete Engineering and Design • Timber Engineering • Soil Mechanics • Surveying, Route Design, and Highway Bridges • Fluid Mechanics, Pumps, Piping, and Hydro Power • Water Supply

Handbook of Energy Engineering Calculations

SOLVE ENERGY PROBLEMS QUICKLY AND ACCURATELY Filled with step-by-step procedures for performing hundreds of calculations, this practical guide helps you solve a variety of applied energy engineering design and operating problems. Handbook of Energy Engineering Calculations features worked-out examples and

enables you to obtain accurately results with minimum time and effort. Calculation procedures emphasize greenhouse gas and carbon dioxide emissions control as well as energy conservation and reuse. This is an invaluable, time-saving resource for anyone involved in energy engineering. Comprehensive coverage includes: Energy conversion engineering Steam power generation Gas-turbine power generation Internal-combustion engine energy analysis Nuclear energy engineering Hydroelectric energy power plants Wind power energy design and application Solar power energy application and usage Geothermal energy engineering Ocean energy engineering Heat transfer and energy conservation Fluid transfer engineering Interior climate control energy economics Energy conservation and environmental pollution control

Structural Engineering Formulas

Profit-Building Secrets for Consulting Engineers. No matter what field of engineering you work in, this career-building guide will give you the business savvy to start and operate your own money-making consulting practice--or greatly improve the efficiency and profitability of the one you already have. The Second Edition of Standard Handbook of Consulting Engineering Practice, by Tyler G. Hicks and Jerome F. Mueller, gives you real-life advice on every aspect of running a successful practice--from starting up your own business and hiring a competent staff to managing an engineering office, winning clients and generating maximum

profits!

Handbook of Environmental Engineering Calculations 2nd Ed.

Presenting time-tested standard as well as reliable emerging knowledge on threaded fasteners and joints, this book covers how to select parts and materials, predict behavior, control assembly processes, and solve on-the-job problems. It examines key issues affecting bolting in the automotive, pressure vessel, petrochemical, aerospace, and structural steel industries. The editors have successfully created a useful rather than scholarly handbook with chapters written in a straightforward, how-to-do-it manner. Theory is discussed only when necessary and the handbook's logical organization and thorough index enhances its usefulness.

Welded Design

Ludwig's Applied Process Design for Chemical and Petrochemical Plants

Solve chemical engineering problems quickly and accurately Fully revised

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throughout with new procedures, Handbook of Chemical Engineering Calculations, Fourth Edition shows how to solve the main process-related problems that often arise in chemical engineering practice. New calculations reflect the latest green technologies and environmental engineering standards. Featuring contributions from global experts, this comprehensive guide is packed with worked-out numerical procedures. Practical techniques help you to solve problems manually or by using computer-based methods. By following the calculations presented in this book, you will be able to achieve accurate results with minimal time and effort. Coverage includes: Physical and chemical properties Stoichiometry Phase equilibrium Chemical reaction equilibrium Reaction kinetics, reactor design, and system thermodynamics Flow of fluids and solids Heat transfer Distillation Extraction and leaching Crystallization Absorption and stripping Liquid agitation Size reduction Filtration Air pollution control Water pollution control Biotechnology Cost engineering

Standard Handbook for Civil Engineers

Comprehensive yet compact, this is a user-friendly time-saving reference packed with key engineering formulas for a wide variety of applications. Featuring introductory material on use and application of each formula, along with appendices covering metric conversion information, and selected mathematical formulas and symbols, this is a unique resource no civil engineer should be

without.

Civil Engineering Formulas

The Go-To Reference for Chemists for More Than 70 Years – Completely Updated to Include Today’s Essential Topics Lange’s Handbook of Chemistry, Seventeenth Edition is written to provide a reliable one-stop source of factual information for today’s working chemist. Within its pages, you will find an unmatched compilation of facts, data, tabular material, and experimental findings that span every area of chemistry. Included in this fully updated Seventeenth Edition are listings of the properties of more than 4,000 organic and 1,400 inorganic compounds. The Seventeenth Edition is enhanced by the addition of an all-new section on Naturally Occurring Chemicals and Chemical Sources. This timely new content includes descriptions of coal, crude oil, natural gas, tar sand and tar sand bitumen, oil shale, biomass and biofuels, and minerals. Sections include: • Inorganic Chemistry • Organic Chemistry • Naturally Occurring Chemicals and Chemical Sources • Spectroscopy (available online at www.mhprofessional.com/Langes) • General Information and Conversion Tables (available online at www.mhprofessional.com/Langes) If you prefer the convenience of one authoritative resource, rather than a multitude of scattered and diverse references, Lange’s Handbook of Chemistry, Seventeenth Edition belongs on your desk.

Handbook of Chemical Engineering Calculations

The Handbook of Highway Engineering

A new edition of a bestselling industrial and systems engineering reference, Handbook of Industrial and Systems Engineering, Second Edition provides students, researchers, and practitioners with easy access to a wide range of industrial engineering tools and techniques in a concise format. This edition expands the breadth and depth of coverage, emphasizing new systems engineering tools, techniques, and models. See What's New in the Second Edition: Section covering safety, reliability, and quality Section on operations research, queuing, logistics, and scheduling Expanded appendix to include conversion factors and engineering, systems, and statistical formulae Topics such as control charts, engineering economy, health operational efficiency, healthcare systems, human systems integration, Lean systems, logistics transportation, manufacturing systems, material handling systems, process view of work, and Six Sigma techniques The premise of the handbook remains: to expand the breadth and depth of coverage beyond the traditional handbooks on industrial engineering. The book begins with a general introduction with specific reference to the origin of industrial engineering and the ties to the Industrial Revolution. It covers the

fundamentals of industrial engineering and the fundamentals of systems engineering. Building on this foundation, it presents chapters on manufacturing, production systems, and ergonomics, then goes on to discuss economic and financial analysis, management, information engineering, and decision making. Two new sections examine safety, reliability, quality, operations research, queuing, logistics, and scheduling. The book provides an updated collation of the body of knowledge of industrial and systems engineering. The handbook has been substantively expanded from the 36 seminal chapters in the first edition to 56 landmark chapters in the second edition. In addition to the 20 new chapters, 11 of the chapters in the first edition have been updated with new materials. Filling the gap that exists between the traditional and modern practice of industrial and systems engineering, the handbook provides a one-stop resource for teaching, research, and practice.

Explaining Postmodernism

Many readers already regard the Maintenance Planning and Scheduling Handbook as the chief authority for establishing effective maintenance planning and scheduling in the real world. The second edition adds new sections and further develops many existing discussions to make the handbook more comprehensive and helpful. In addition to practical observations and tips on such topics as creating a weekly schedule, staging parts and tools, and daily scheduling, this

second edition features a greatly expanded CMMS appendix which includes discussion of critical cautions for implementation, patches, major upgrades, testing, training, and interfaces with other company software. Readers will also find a timely appendix devoted to judging the potential benefits and risks of outsourcing plant work. A new appendix provides guidance on the "people side" of maintenance planning and work execution. The second edition also has added a detailed aids and barriers analysis that improves the appendix on setting up a planning group. The new edition also features "cause maps" illustrating problems with a priority systems and schedule compliance. These improvements and more continue to make the Maintenance Planning and Scheduling Handbook a maintenance classic.

Numerical Methods in Geotechnical Engineering

A bestselling calculations handbook that offers electric power engineers and technicians essential, step-by-step procedures for solving a wide array of electric power problems. This edition introduces a complete electronic book on CD-ROM with over 100 live calculations--90% of the book's calculations. Updated to reflect the new National Electric Code advances in transformer and motors; and the new system design and operating procedures in the electric utility industry prompted by deregulation.

Handbook of Mechanical Engineering Calculations, Second Edition

Take Advantage of the Latest Calculation Methods for Solving Problems in Every Major Area of Environmental Engineering The only hands-on reference of its kind, the Handbook of Environmental Engineering Calculations equips you with step-by-step calculation procedures covering virtually every aspect of environmental engineering. Designed to give you quick access to essential information, the updated Second Edition of this unique guide now presents the latest methods for solving a wide range of specific problems, together with worked-out examples that include numerical results for the calculations. Written by a team of environmental experts from both the private and public sectors, this easy-to-use reference provides you with complete calculations for water quality assessment and control, solid waste materials and air pollution control. Filled with 200 helpful illustrations, the Second Edition features: Hundreds of detailed examples and calculations with fully illustrated steps Calculations covering every aspect of environmental engineering Both SI and U.S. customary units presented throughout New to this edition: new sections on fuel cells and air toxic risk assessment

Inside This State-of-the-Art Environmental Engineering Toolkit • Calculations of Water Quality Assessment and Control • Solid Waste Calculations • Air Pollution Control Calculations • Air Toxic Risk Assessment • Fuel Cell Technologies

Handbook of Industrial Engineering Equations, Formulas, and Calculations

MOP 110 presents extensive advances in methods of investigation, measurement, and analysis in the specialized field of sedimentation engineering.

McGraw-Hill's Engineering Companion

MORE THAN 5000 ESSENTIAL, UP-TO-DATE CALCULATIONS FOR ENGINEERS
Thoroughly revised with the latest data, methods, and code, the new edition of this practical resource contains more than 5000 specific, step-by-step calculation procedures for solving both common and uncommon engineering problems quickly and easily. The calculations presented provide safe, usable results for the majority of situations faced by practicing engineers worldwide. The book fully describes each problem, includes numbered calculation procedures, provides workedout problems, and offers related calculations in most instances. This is an essential on-the-job manual as well as a handy reference for engineering licensing exam preparation. Includes NEW calculation procedures for: Load and resistance factor design (LRFD) Solar heating loads Geothermal energy engineering Transformer efficiency Thermodynamic analysis of a Linde system Design of a chlorination system for wastewater disinfection Determination of ground-level pollutant

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concentration And many more Standard Handbook of Engineering Calculations, Fifth Edition, features detailed, time-saving calculations for: Civil and structural engineering Architectural engineering Mechanical engineering Electrical engineering Chemical and process plant engineering Water and wastewater engineering Environmental engineering

Standard Handbook of Engineering Calculations, Fifth Edition

Machine Devices and Components Illustrated Sourcebook

The first edition of this comprehensive work quickly filled the need for an in-depth handbook on concrete construction engineering and technology. Living up to the standard set by its bestselling predecessor, this second edition of the Concrete Construction Engineering Handbook covers the entire range of issues pertaining to the construction

Handbook of Civil Engineering Calculations, Third Edition

Maintenance Planning and Scheduling Handbook

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Solve any mechanical engineering problem quickly and easily This trusted compendium of calculation methods delivers fast, accurate solutions to the toughest day-to-day mechanical engineering problems. You will find numbered, step-by-step procedures for solving specific problems together with worked-out examples that give numerical results for the calculation. Covers: Power Generation; Plant and Facilities Engineering; Environmental Control; Design Engineering New Edition features methods for automatic and digital control; alternative and renewable energy sources; plastics in engineering design

Mechanical Engineering Formulas Pocket Guide

THOUSANDS OF MECHANICAL ENGINEERING FORMULAS IN YOUR POCKET AND AT YOUR FINGERTIPS! This portable find-it-now reference contains thousands of indispensable formulas mechanical engineers need for day-to-day practice. It's all here in one compact resource -- everything from HVAC to stress and vibration equations -- measuring fatigue, bearings, gear design, simple mechanics, and more. Compiled by a professional engineer with many years' experience, the Pocket Guide includes common conversions, symbols, and vital calculations data. You'll find just what you need to solve your problems quickly, easily, and accurately.

Lange's Handbook of Chemistry, Seventeenth Edition

Packed with new data and methods; this invaluable handbook provides professionals with more than 5000 direct and related calculation procedures for solving common engineering problems quickly and easily. --

Applications of Fire Engineering

The first handbook to focus exclusively on industrial engineering calculations with a correlation to applications, Handbook of Industrial Engineering Equations, Formulas, and Calculations contains a general collection of the mathematical equations often used in the practice of industrial engineering. Many books cover individual areas of engineering

Handbook of Electric Power Calculations

Instant Access to Civil Engineering Formulas Fully updated and packed with more than 500 new formulas, this book offers a single compilation of all essential civil engineering formulas and equations in one easy-to-use reference. Practical, accurate data is presented in USCS and SI units for maximum convenience. Follow the calculation procedures inside Civil Engineering Formulas, Second Edition, and

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get precise results with minimum time and effort. Each chapter is a quick reference to a well-defined topic, including: Beams and girders Columns Piles and piling Concrete structures Timber engineering Surveying Soils and earthwork Building structures Bridges and suspension cables Highways and roads Hydraulics, dams, and waterworks Power-generation wind turbines Stormwater Wastewater treatment Reinforced concrete Green buildings Environmental protection

Handbook of Industrial and Systems Engineering, Second Edition

Solve any mechanical engineering problem quickly and easily This trusted compendium of calculation methods delivers fast, accurate solutions to the toughest day-to-day mechanical engineering problems. You will find numbered, step-by-step procedures for solving specific problems together with worked-out examples that give numerical results for the calculation. Covers: Power Generation; Plant and Facilities Engineering; Environmental Control; Design Engineering New Edition features methods for automatic and digital control; alternative and renewable energy sources; plastics in engineering design

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